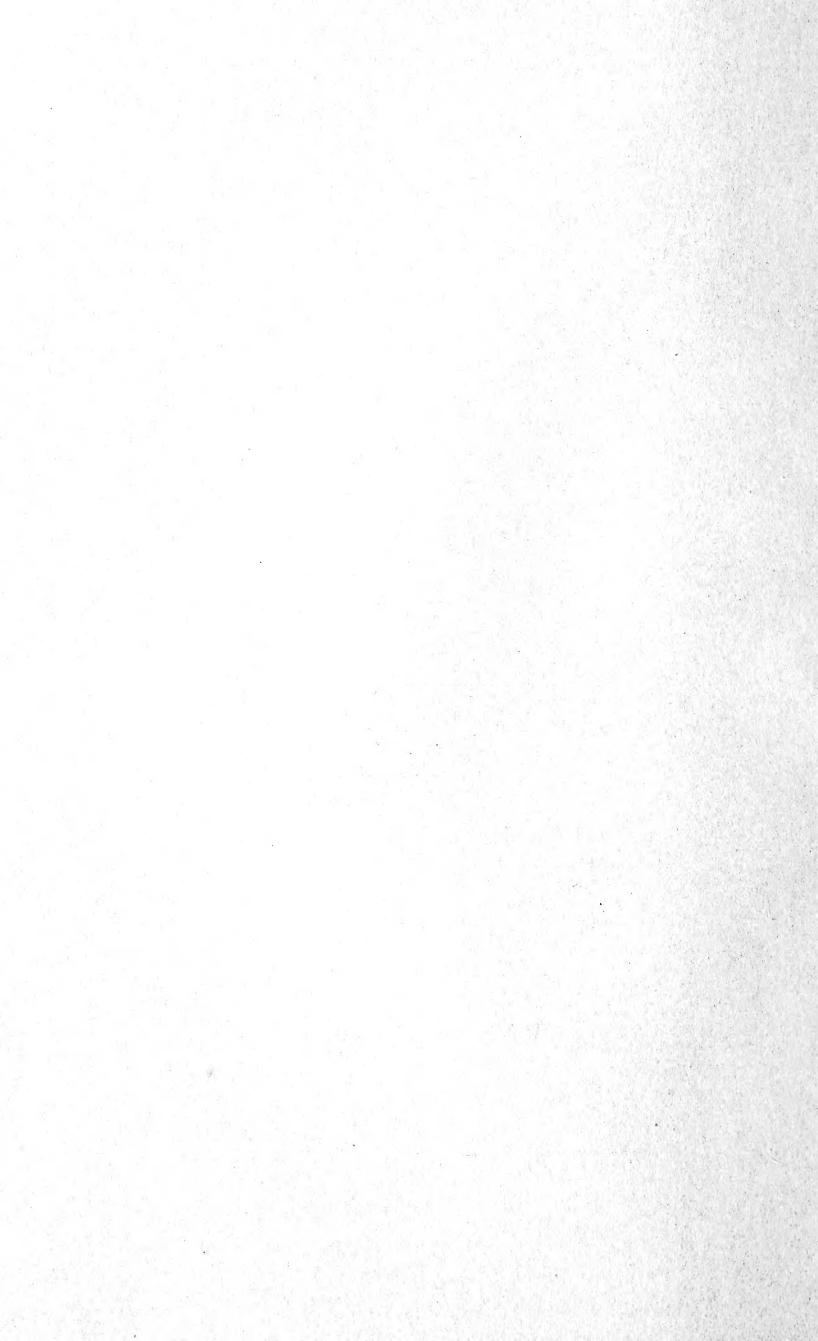


UNIVERSITY OF CALIFORNIA MUSEUM OF VERTEBRATE ZOOLOGY

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Engels, W.L. 1935-1936

1. various California countres may 1935 - May 1936

2. Arizona May - June, 1936

3. Wisconsin Jeine, 1936

Engels, W.L. variour California Coe. 1935 - 1936



Engels, W.L. 1935

various California counties Catalog of specimens #275-305 General accounts



100- ft., 1/2 mi. NEAmerican River, North Sacramento, Sacramento Co., Celif. May 9, 1935

275	7 Thomomys	175-50-23-4	clay soil
276	& Thomomys 100-ft., O. 7 mi. NEC Bacramento Co.,	180-48-27-4 American River, North Sacrame Calif. May 9, 1935	uto,
	- 1	198-55-27-5	
278	2 Thomomys 35 ft., 13.3 mi. S 3 may 9, 1933	165-45-23-4 Sacramento, Sacramento Co. C	
	& Thomomys		Clay soil
280	3 Thomomys 100-pt., 0.8 mi. No Sacramento Co	188-53-28-5 testis x 5 mm 5 American River, north Sucramo, Calif. Near 9, 1935.	(C.R. Sprinkle)
	8 Thomomys	170-47-24-5 testin ×4 min	- 4 0 1
		may 10, 1935	sitte clay
282	8 Thomomys 0.7 mi. NE	205-63-26-5 Koti X14 American River, north Sucramens May 10, 1935	to
283	4 Thomomys 21/2 mi: N St	170-47-23-5- Locketon, San Juaguin Co., California May 10, 1935.	Cheq aoil.
284	2 Thomonys	195-55-25-5 (C.R. Spru	
		May 11, 1935	
285	9 Thomomys	190-55-24-6	
286	8 Thomomys	220-65-29-7 Fistes	X17 mm
287	3 Thomomys	220-68-28-6 testes	X15mm
288	2 Thomomys 32 H. Glomi. N &	170-50-25-4 Byron, Contru Costa Co., Calif. may 11, 1935	
289	3 Thomomys	217-65-30-7 tester)	(5 mms rocky sore.
		Pameda Co. Calif.	
290	May 30, 1935 Juneo		in Captivity - Ban Miller arrary 15764

à ST.

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Engels
1935
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305 PThomomys

Berkeley, Alameda Co., Calif. June 6, 1935. aidui captivity. band. H-57645 291 Junco Une 7, 1935. died in captivity band H-57644 Dulon Beach, Marin Co., Calif. 292 Thalaropus fulicarius. dane 29, '35. Pick-up. skeleton. Jmi. S. Salmon (reek, Sonoma Co., Calif. June 30, '35.

193. Uria troille californica. Captured on beach. head-pormalin skeleton. 1/2 mi. S. Nick's Cove, Automales Bay, Marin Co., Calif. July 4, 35 Skeleton, pick up. 294. Large Nawk. Rolland Poul, Dillon Beach, Marin Co., Calif. December 295 gaster snake July 23, 1135 296 297 Second. Sled Road Pt., Dillon Beach, marin Co. coli, July 24, '35 298 Sea lion. Skull. From carcass washed up on back - " maxillac a pru. 6.2 mi ssw Merced, Merced Co., California Nov. 8, 1935. 2998 Thomomys 202x50x23x5 testes X18 mm 300 \$ 170-55-22-4 301 9 " 165-45-22-3 16 mi. wsw Los Banos, Merced Co., Calif. Nov. 8, 1935 302 & Spectyto alcoholic (minus skin + viscera) Sweeney Rauch, 22 mi wsw Los Banos, merced lo. (alif 303 % loxostoma redivivum Assoleton 304 o Sylvilagus skull only. nov. 9, 1935 1500 H.

185-50-23-3

Again of Again of the second o . · ·

Engels 1935.

Socramento County, California. Yolo Co., Calif.

May 8, 1935. Left Berkeley with C.R. Sprinkle at 10: victock this morning. First stop, for gophers, was I mi. west, 1/2 mi, south of Elk grove Cross road, which is 13 mi. south of Sacramento, In an alfalfa field here I retout I trap. workings were very hard to see because they were hidden by the rank vegetation. 1/4 mi. north of Elk grove Cross. road (123/4 mi 8. Sacramento) I made another set on a bank by a culvert. A third set put out 12 miles south of Sacramento in a field by the road.

Sacramento in a freld by the road.

x' (orchard)

* Upper Streeton Road

13 mi. S. Sacramento

cemetrery

TE

Fourth set made in roadside ditch about 1 mi. north of last (about 11 mi. S Sacramento).

Sprinkle set out 6 traps to may four, in approximately same localities.

Are drove on into Sacramento & took U.S. Highway 99 W out of town (toward Davis). We looked for sign of pocket gophers all along this road, dorwing slowly, and getting out + walking twice, up to the yolo Causeway (yolo County). We drove to the west end of the Causeway and since the

Constant of the second of the

Engels 1935. Sacramento Co., California,

May 8, 1935 (cont.)

country there was about the same we hirned + came back. Throughout this entire stretch, from Sacramento west, we saw absolutely no sign of pocket gopher, although we searched diligently. The Country is very low + marshy, cut by deramage ditches, dykes + railrocks and road-embantemento. Where it is not cultivated, to beets & other truck-garden stuff, it is covered by an extremely bush & rank regitation. It is probably throughout too wet, periodically (spring rains + floods), for pocket gophers. We thought we might find them along the railroad embankements, but there were none we could see. We also followed, for a few miles, a road more or less paralleling U.S. 99 w about / mi. north - this country was similar in topography, I without pocket gophers that could be seen.

May 9, 1935. This morning we set out to look for gophers NA of Sacramento & found evorbeings in & about an old race-track, now used as a pastiere for horses, on the east side of US/righway TYE, 1/2 wie. NE. American River, in the outskirts of Secremento. I made two sets, one of them a double. We then those south out of Sacramento along U.S. Highway 49 (Upper Stockton road) to look at the trafes set out yesterday & checked mileage to these points on the breeks speedometer. At the orchard (12-2 mi S Sacramento) my single set was undisturbed but there were fresh diggings



Vicinity of Sacrimento Socramento Co., Celifornia

immediately adjacent to it, + I reset in those. I found more fresh diggings in two spots further along the ditch between roud + orchard + made a more sets. In all three of these diggings, freshly out regetation was found in the burrow mouth. The third of yesterdays sets (12.7 mi. 5 Sucramento) was flugged up & the trup buried. The second set, at the culvert just north of the crossward (13.3 mi. & Sacrament) Caught an immature gopher. The subsoil here was red clay. Yesterday's first set, in the parties 3W the cross road, was undisturbed, & I picked up the trafe. Sprinkle caught one gopher here. We returned to Sacramento; looked at my 3 by the orchard on the way but The sets were undisturbed. We then ran the traps NE The american river; I caught a sub-adult I in each of my two sets. I made another set here, in the horse-pasture - we drove on 0.2 mi. further; in the grass along side an irrigated granden I put out three trajes. 1/10 mi. N american niver we turned west on a short side road. I was field of alfalfa + wild outs, where diggings were quite scarce I put out another trafe.

Surviva Contract Cont

After hunch we non the traps S

of Sacraments again. Not disturbedleft them There. Returned to Sacraments,

N of American river- no gother at

old race-track; toole up trap.

, . . •

Engels 1935 Vicinity of Sacramento Stockton,
Sacramento Co., Culifornia. + San Joaquin Co., California
May 9, 1935. (cont.)

be then went on to our next locality - 8/10 mi. NE American
River. - This is just inside the city limits of North Sacramento, +
our sets are at the end of Brick Ave. I put out one more trap here.

Jaten we crossed U.S. 99E + went along Southgate Road, North
facramento for about a half-mile - in a field here I found
fairly presh looking workings in two places + put out 2 traps,
his then saw sel the traps we had out, but had no luck.

We picked up one of my sets at the orchard (12.2 mi. S. Susamunto)
+ Sprinkle reset if nearby.

May 10, 1935. Sprinkle was sick last night + unable to skin, so we had to take care of his skins this morning + did not get away from our auto camps in locat Sacramento until 11:00 am. be first ran our traps man Hoa Morth Sacramento, + picked them all up. Hone of mine were disturbed except two; - I took an adult & gopher in the fill at the end of Birch Ave, North Sacramento + a young & gopher in the road by the garden 0,7 mi. NE American river, he then headed south + picked up our traps mean Elk grove (12 mile & Sacraments) - mine were undisturbed. All in all, we had fair luck at Sacraments, inasmuch as gophers were extremely hard to locate.

After lunch we headed for Strekton, + frieding numerous diggings along US 94, about 2-3 mi. 21 Stockton we stopped + set out some trips. I had difficulty locating the holes under the mounds + made only 4 sets. The soil is somewhat more saudy, less clayey than mear Sacraments, + the burrows much

Stockton, San Joaquin Co. California Bryron, Contre Costa Co., "

may 10, 1935 (cont.)

larger. Barend Sacramento I had almost always to enlarge the burrous to get the trops in; but there near Stockets are big enough so that I can put my whole hand in. - Leaving these traps we went to Byron, in Contra Costa County, about 20 mi. PW Stockton. Between Stockton + Byron are the Old + middle River, + the San Joaquin River, asound which is a long stutch of low, marshy and peaty land, in which we saw no dophen digyings. Kell-wing Blackburds were extremely numerous all along this road. About 1/2 mi. N Byson we found many diggings along the road, + set out some traps. I put out 4 sets. These diggings were all in a very hard, black dist (adobe?) in which were mused rumerous angular rocks. It was tough work digging out the holes, for us; - These must be tough gophers. Like the Stocketon burrows, these were of quite large diameter. In the mounds, & in the plugged up entrances, I found much out vegetation, some quite fresh. When any of this showed on tops of the mound, I found I could locate the burrow easily by following it down. - we went back to Stockton & looked at our traps. Mine were not touched -Sprinkle got I gopher. I pulled up one of my doubles reset, so that I now have 5 sets there, + 4 sets near Byron nine sets to leave out for the night. Tonight was spent skinning; I put up three skins. Sprinkle put up 2 skins & cleaned a skull.

	•		

Engels 1935

Nov. 7, 1935. Left Berkeley about 5; 30 this afternoon with Roger Sprinkle in the museum Reo trucks.

Drove here (Merced) via Tracy + modesto,
arriving about 9: 30 p.m. Evening clear + cold.

Put up in a cabin at Cronk's auto Camp.

Nov. 8, 1935:

This morning we drove out of Merced toward El Vido, about 53%, leaving near 8: o'clock. The land herebout is very flat, as far as one can see to the south, west o north. To the east the Surra foothells were barrely visible in the haze. Stopped by the wadride, 6.2 miles 55% of Merced, and both Sprinkle & I set out traps for pocket gophers. I made 10 sets, 2 of them doubles. The ground is very hard, black & lumpy, it was not easy dizgins, while making one set I heard something behind me, turned, & saw a gopher pushing his head out of an open hole in a clump of grass about 15 feet away, There was no dirt about this opening. Later I set a trap there.

Pocket gopher workings were very numerous along the roadside I in the fields all around here.

Scattered along the roadside we saw many tufts of cotton, apparently blown around from nearby cotton fields, one of which we saw some 3-4 miles 350 merced. Saw a Spilogale by the road, but thoroughly smashed, I we did not pick it up. one Citclies sitting on a fence-post. Birds seen along the road included Shrikes, English Spanows,



Engels 1935

Nov. 8, 1935 Brewer Blackbirds, Meadow-larks, Kelldeer, 2 Crows, 1 Sparrow Hawk, I large, brownish Howho with a conspicuous white rump, + numerous small bids not identifiable from the car by me. Returned to Cronk's auto Camp at 11:00 am to have lunch. after lunch we checked out of the camp, + started for Los Banos, stopping again to pick up our trafes 6,2 mi. ssw merced. Sprinkle had 2 gophers; I caught 3 pocket gophers. Continuing on our way to Los Banos. - In a canal about 10 mi. & Los Banos we saw 3 Great Blue Herons Further on toward Tos Banos we passed rumerous ponds, pools & ditches, in which were tundeeds of Coots. we saw no ducks here. Twice we passed large flocks of sheep, and it each time we saw scores of Brewers Blackbrids among them, many perched on The threads + necks of the sheep. Arrived at for Banos we stocked with provisions, obtained keys to her rauch from Mrs Clara Inveney, + directions, + went on we had great difficulty locating the ranch, but finally arrived there near 5:00 p.m. This is about 22 miles wow Los Banos, in Herrero Canyon, me the footbells on the west side of the San Joaquin Valley, in Merced County, man the San Benito Co. line, somewhat south of Pacheco Pars (see 1. S. topo sheet, California: Preien Labe Juadrangle). (alt. 1250 ft.). To get there one turns south from the Tacheco road in the western outskirts of Fox Banos,

Sweeney Rauch, Herrero Canyon, Izmi. wsw.LosBanz Merced county, California

opposite a tævern called Red Star Inn. Drive about six miles; here is a cross-toat + a grove of pepper trees. Turn right (west) & drive for about two miles, where there is a gasoline plant (Sheel) on the right. I were left here, into the footbills. There are several broad roads over the flat a hells, running beside + across one another. Several miles on, a born appears on the left. Just before one reaches the barn the roads swing left. Follow there. a windwell shows up on the right. Not far beyond is a small ranch-house, + a lone oil-well on the hill back of it. This is about 13 mi. from Los Banos. Continue straight on to a cross-wad, a mile or so further, where there is a munber of abandoned buildings off to the right. Turn right at the cross-roads, post the abandoned ranch, Coming to a fence inclosing a low wet spot, turn left along the fence, following it jest a small house; at the base of a big helt further on is a swinging wooden gate in the fence on the right, turn in here. this is the entrance to Herrero Canyon; the Sweeney nauch house is a few miles up theo road. These hills are alive with ground squirels, riddled with their burrows, + crisserossed by their well-besten browner surface runways. he distinguished smaller redder ones, + larger grayer squirrels. Saw 4 Burrowing Owle + collected one. Saw 2 Brush Rabbits +

Collected one. Oprinkle collected a Black. tailed fack Robbit

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Sweeney Rauch, Herrero Conyon, 22 mi. wsw Los Banos, Mercel Co., California.

He only one we saw, be also saw hundreds of Hornel farks coming in here. At the stewer spot first before entering Herrero Canyon (Carrisalito Spring?) we saw I Kildeer. Arrived at the Rauch we unpacked + while Sprinkle started supper I took a short-awing around the hills. Collected a California thrusher on the flank of Sweeney Hill, south of the ranch-house, at about 1500 fot. Heard many quail in the canyon below. These hills were also riddled with ground-squired workings, but I saw no signs of packet-gophers.

Nov. 9, 1935. This morning early sprinkle + I set out + found gropher workings on the sides of the hills on the south wall of the campon, just son west of the rench-house. The soil was reddish in colon, + very rockey. The morneds were difficult to spot because the hillsides are riddled with ground-squired workings. I made 9 sets, when I ran the trip line at now. I found only one gopher. I pulled up 2 other sets, leaving 6, + made 6 more sets further west in the canyon. The gopher workings are not only difficult to spot, but exceedingly difficult to spot, but exceedingly difficult to spot, but exceedingly or one hill mas the west end of the canyon, on the south wall, where I saw to in a help hour, + that two. Both skins were bably shot up, + I will make up

the skulls only, in the morning. These rabbits were

			,	

Sweeney Ranch, Herrero Canyon, 22 mi. wew Los Banos, mercel Co., California.

too easy - they jumpel out from under foot, saw only a short distance + then stopped, sitting still, usually stil in Jull view. Also saw one Black tack Rabbill Although the ground-squirel burrows are everywhere, the criserons putterns of their surface runs, I saw groundsquirels only in a small flat at the bottom of the Canyon just west of the ranch-house. They were very alest - as I would come to the top of the hell, 200 or more feet above them and more than Soo fut away, I could see them scurry from all sides of the flat to their burrows toward the center, It was impossible to approach them within shot- gren range. Mrs. Sweeney, who Came out to the ranch tonight, said she placed porson-gram all over the flat, about the fresh-burrow entrances, about two months ago, I was sure she had kelled off all the squirrels There at that time. If she did, at least two score have come in from the surrounding territory in the post two-mouths - I saw at least that many, Saw another California Thrasher this morning, and a Long-cared owl in the cottonwood at the ranch house.

Engels, W.L. Arizona, 1936



Sweiney Rauch, 22 mi. wow Los Banos, merced Co., California

1500 ft. Nov. 9, 1935 3068 Thomomy 225-70-29-5 Testio 12 mm. 1500 H. Nov. 10, 1935 307 6 Thomasup 195-63-26-4 Testis 11 mm. 308 7 " 170-50-21-3 309? Tylvilegus okull only.
310? "
"
311 & Thomonys 312 Salpinctes o. obsoleties alcoholic west 4064. W.295; T. 175 313 Gruus alcoholic thrown out 314 Corvus wght. 395 gr. W285 T 170 315 Cours Berkeley, Alameda Co. Calif. May 14, 1936
316? Tovostoma redivioum sonomae. Skeleton. C-323 448 Picked up by C.W. Quaintance, bed structury write, without poultry tab. Strawberry carryon. Ind for some days, was banded Dec. 6, 1935 "about half-way up small cause with of Strawberry swimming pool "(Mary Trickson; note), may 24, 1926 8 mile south Coolidge, Pinal County arizona. -317 & Toxostoma l'acontii skeleton 57.0 gr. . 318 Ojr. 51.0 gr. 59,5 gn. · 319 8jv. 51.5 gr. · 320 9 jv.

321 9

1322 9T. G. palmeri

67. gr.

76.5gr



Engels 8 mi. south Coolidge, Pinal county arizona c936 . 323 d'Toxostoma bendirei skeletom 59,091. -3248 " dossale skilden 64.5 gr. May 25, 1936 3258 Dipodomys 235 × 140 × 35, ear 10 39915 destis 10 mm 327 & Perognathus 8
328 0 4 250 x 150 x 36 ear 11 testis 6 mm. 36 grs. 175×95×20 ean 6. 15.5 gis. kotis 8 mm 180-100-21 - 6 Astis 7 mm 19.0 91. 329 8 185-98-21-18.5 71. Jestio 6 min 330 & neoforna 310-135-33-26 142.91. Ledis 9 rum 305-135-33-25 126 91, Lestis 6 mm 332 Night Hawk. 5 keleta ad 62 grs. · 334 3Torostoma lecontei 62 grs. -335 Frogostoma dorsile 57gm. · 336: jv. Toxostoma dorsale 56 grs. skeleton 11 mi. S Coolidge, Pinal Co., ariz. may 25, 1936. 337 & Toxostoma bendirei 55.5 gs. . 338 & Toxostoma c. palmeri want. 65,5 gg. 27.5 gr } masthing of presiding 340 ju alcohol 77 gr. 342 9 75.5 gr. nest of preceding 344 jo. 51.091 69 gr.

73.5 gn.



5 mi. 5 Picacho P.D., Pinal Co., arizona

4891. Preceding pair 349 & Caches Wren May 27, 1936 350 81 Toxostoma c. palmen 75 gr. 351 3 352 9 362, 353 imm. 9 4 82,5gr. 71. gr. in post. jiv. mody. . 354 9 74.0 /1. , 355 d'Toxostoma bendirei 60.5gs. 356 jv. Heleody es b. coursi 18.5 gs. very young nestling. May 28, 1936 357 & Heleolytes b. conesi 358 jo. 3º Lanino l. Sonoriensia 42.5 97. v 359 3 Centurus u uropygialis testes 9 mm. 76.09: v 360 8 Toxostoms Lendirei 56.591. Lestis 14 mm 56.0 gr. (chaile) ,361 Q R 362 8 . c. palmeri 70.5 gr. kotis 9 mm 83.5 gr., "164 62.5 gi Lectio 13 min 79,5 " ca la la 4 17 4 73.0 gr. 367 o 4 bendiei 52.5 p. " 9 min 368 ju. c. palmeri 18.5 gr. May 29, 1936 369 & Toxostoma dorsale m post-jur ruelt.

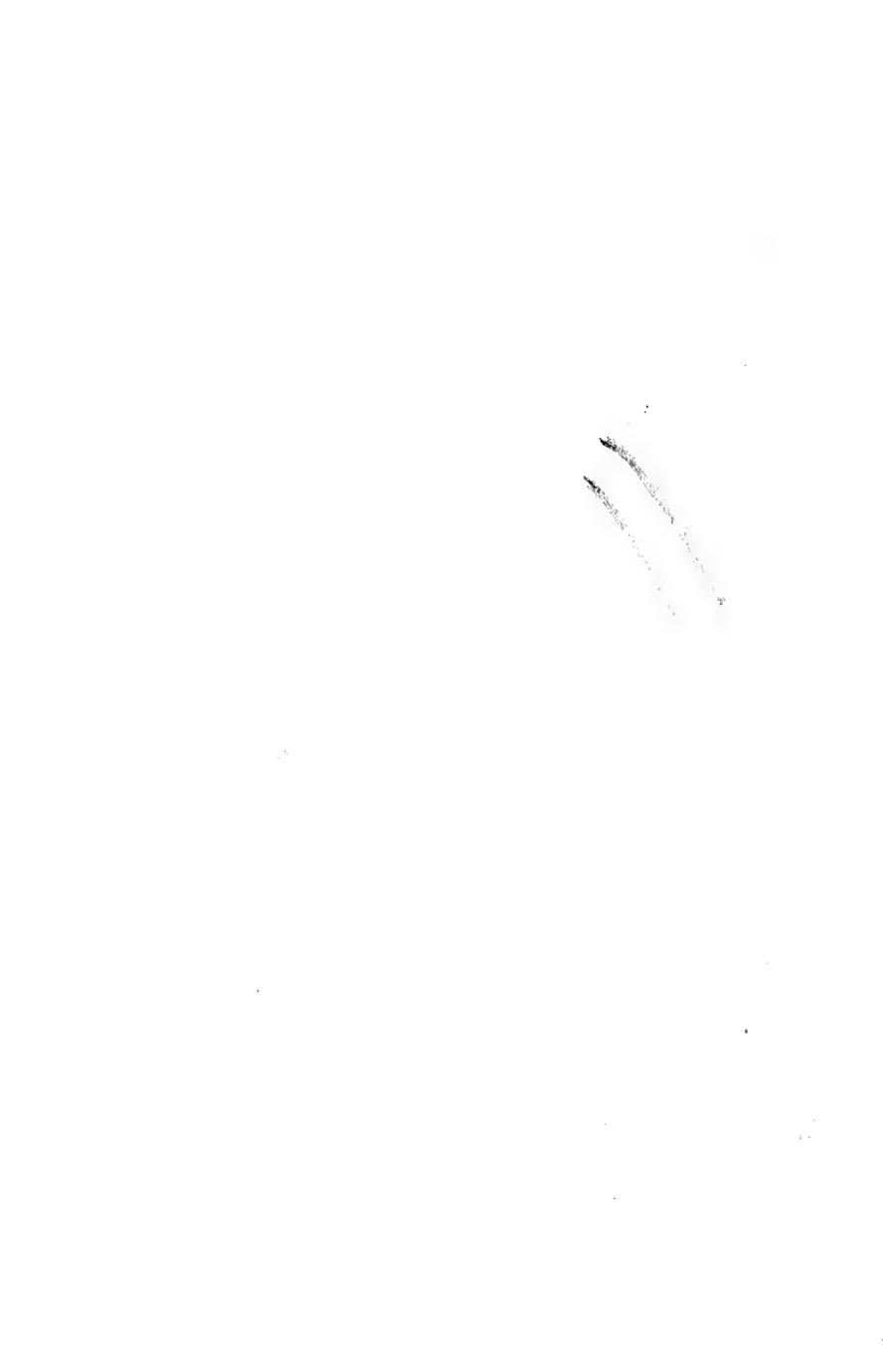
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C. palmeri

52.5gs.

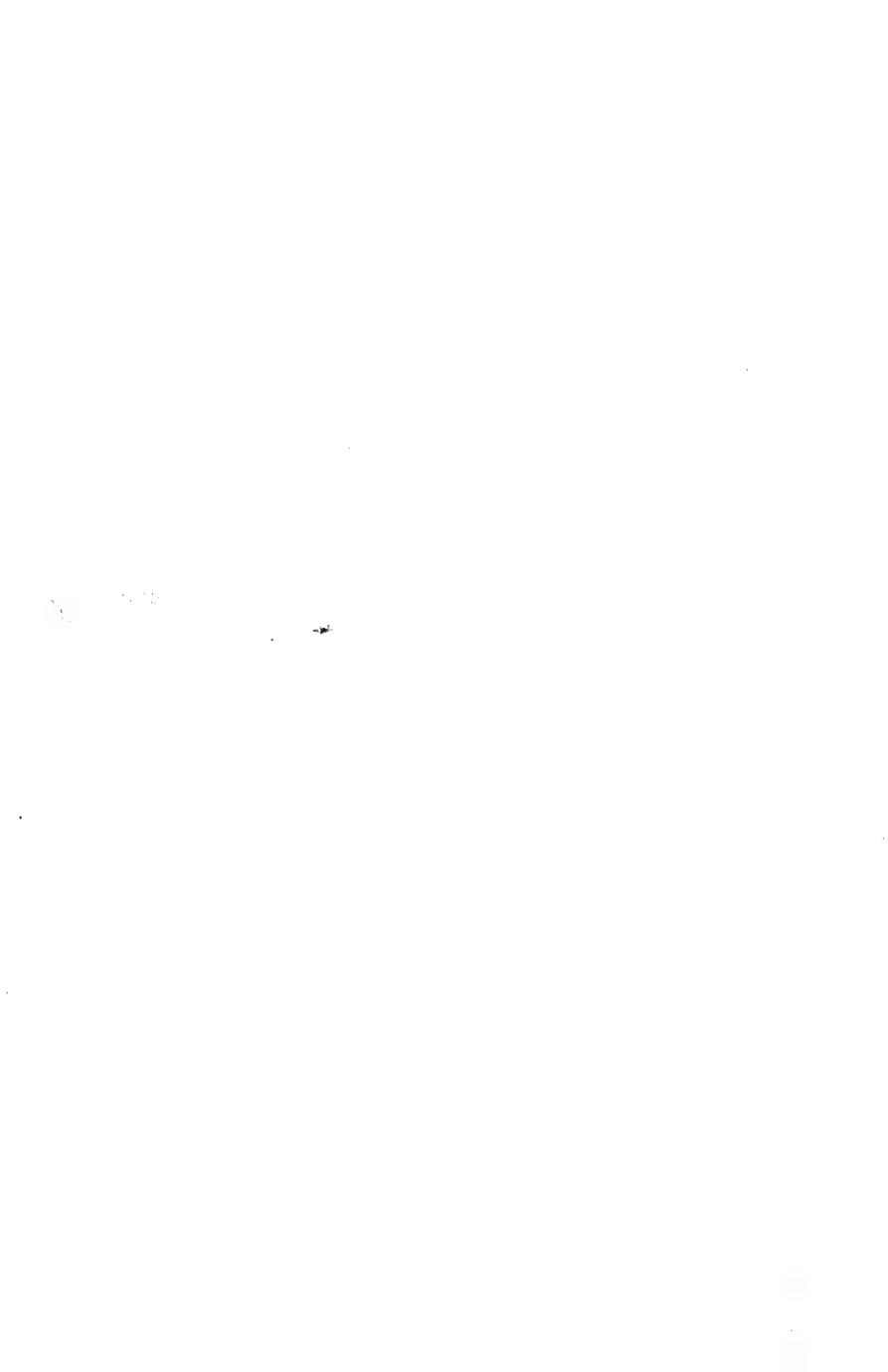
76.5 gr.

2 nestlings.



Engels 5 mi. 5 Piracho P.D., Pinal Co., aris. huy 29, 1936 (cont.) jv. Toxostoma c. palmeri myht 53 gr. mertlingmak. 372 ju. Elisipoides Found strick in shows of challe cacter Headyke b. Coursi below enhance to nest. 3 mile W Coolidge, Vival Co., arig. may 30, 1936 375 9 Toxostoma dorsale 57.5gr. . 376 8 testes 6 mm. 64.0g1. nestling of preciding 30.5gr. ,378 8 379 8 84gr. 18 mm c. palmeri bendirei 63.5gn. 3813 bendirei 63,5 gn. steel · 382 P 56.5 g. 383 6 testi 11 mm. 51.91. nestling of preciding 384 jo, Toxostorus bendirei 41.5 gr. May 31, 1936. V 385 & Pipilo aberti Koko 11 mm. ires deck brown. 47 gr. . 386 of Toxostoma bendirei 1864 bygast + had skin 61 gr. Festis 13 mm 53 gr 62 gr. Lestis 12 run dorsale . 3896 61.541. 7 mm June 1, 1936. 390 jv. Otus asio gilmani full sizel+ gitting about. 391 jv. Toxostoma c. palmeri 27.5 yr. back of car skin same orlower barren bad grey 82 gr. inis gray - mouth red under horing parts pals lavender; tips of trugue black - popular white 393 jo. Geococey californism.

111.0 gr.



3 mi. W Lovolodge, Prival Co. Eriz. June. 1836 Cont. Scrambling oxostoma hendirie in piron, emong bushes. p. Torostoma beneinie , 395 56 gr. (parent of preceding) 5 " donsale 59 gr. Lealy 7 mm & Butes surinsoni 7/19. Househ contests: ·398 & Toxostoma dorsale 62.5 gr. Hedis 7 mm 55.0 gr. June 2, 1936
Toxostome bendirei 6191.

donsale 58.591. skil. L testis 16 mm . 400 6 R - 14 4 401 9 58.5y. · 402 8 64 gr. 6 mi. N Olberg P.O., Pinal Co., Drig. ale 403 js. Tokostoma C. palmeri 25.59. . fladgling, unable to 59. p. fly. Tail 75 mm. June 2, 1936 2 mi N Horence, Pinal Co., ariz. June 2, 1936. 12 - 13 a milden . 405 8 Toxostoma c. palmeri 78 gn. 55 gn. lecontei 55gs. molting middle primeri 65,5gs. "tuit feethers" 406 jo. 3 4 ~407 \$ 4 June 3, 1936. .408 7 Toxostoma lecontei 57 p. -bendirei 54.5 gp. - post- jiven molt just trejminn -4148



Engels 1936 2 mi. N Horence, Pinal Co, ariz. June 3, 1936 Rick-up Dipodomys Rillito Cruk, 5mi. N Tucson, Pina Co., ariz. June 3, 1936 416 jv. 8 Toxostoma dorsale in post-jew. molt. 55 gr. ~417 ju. 4 56 gn. 418 micropallas whitneyi 38 jn. 929 gr. Shot about 7 pm 1 young quail in julet 1 kangaroo det in gizzerd 419 8 Butes borealis June 4, 1936 post jo most almost complete v 420 imm & Toxostoma dorsale 53 gr. VH21 9 57 gr. shel in post jv. molt. 422 jv. 8 " C. palmeri 71 gr. . 423 3 81 gr. L. Kestis 17 mm. 2 eggs laid 1 in 81 gr. -424 9 425,4 70g1. I sitting in marquite; no 4391. " bendirei 426 jv. flew 50 ft. 427 jv. Minus p. leucopterus 35.5q1.1 89.5gr. 428 9 Falco sparveius June 5, 1936 skel. jv. 429 3 Toxostoma c. palmeri L. Kestis 3 mm. I moet. 69 gr. 2 430 4 m 79 11. quite fet. bendirei 5891. in post jiw. most 53 gr. - 433 p. 7 dorsale

- 434 8 "

- 435 p. "

- skil imm

- 436 fr 9 Pipilo J. misolincus

ale F Pipilo J. misolincus

437 p. Pyrrhuloxia 55.5gr. an post-jo- molt 65,5q1. L. Takis Serman in post- jon molt 56.5 gn. post jv. moet almost complete.

38gr.

8gn-

Snestling about 2 slays off. Meht in Choila cactur

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Engels, W.L. Hisconsin 1936



Engels 1936

, slightly older than preceding.

nestling; little make of 444; collected 48 hrs. later

453 jv. 454 jv.

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Engelo 1936 Red Banks, 12 mis NE green Bay, Brown Co. Wisc. June 25, 1936 jo Dunetella Carolinensis liter-mate of 444+453; 24hrs after 453 (446+454; 24 has ofter 454 " 457 jumpel out of met + ran. 45 d'un arkempt to escape. 458 centrojo Dunutella carolineusis 459 is from nost of 3 4970.

2990 laid June 25,

June 26, 4 June 27. 459 j 460 ju. July 9, 1936 461 embryo Dunetella Carolinensis 11-12 days in autobion egg probably laid for 28; rest contained I form July 12, 1936 ale 462 jr. Dumetella carolinansis Inle 13, 193 hutched July 1000 July 13, 1936 463 jo Dumetella Carolinencio July 23, 1936 1 of 2 young, 5- 6 days old. 464 js. Dumstella Carolinencio

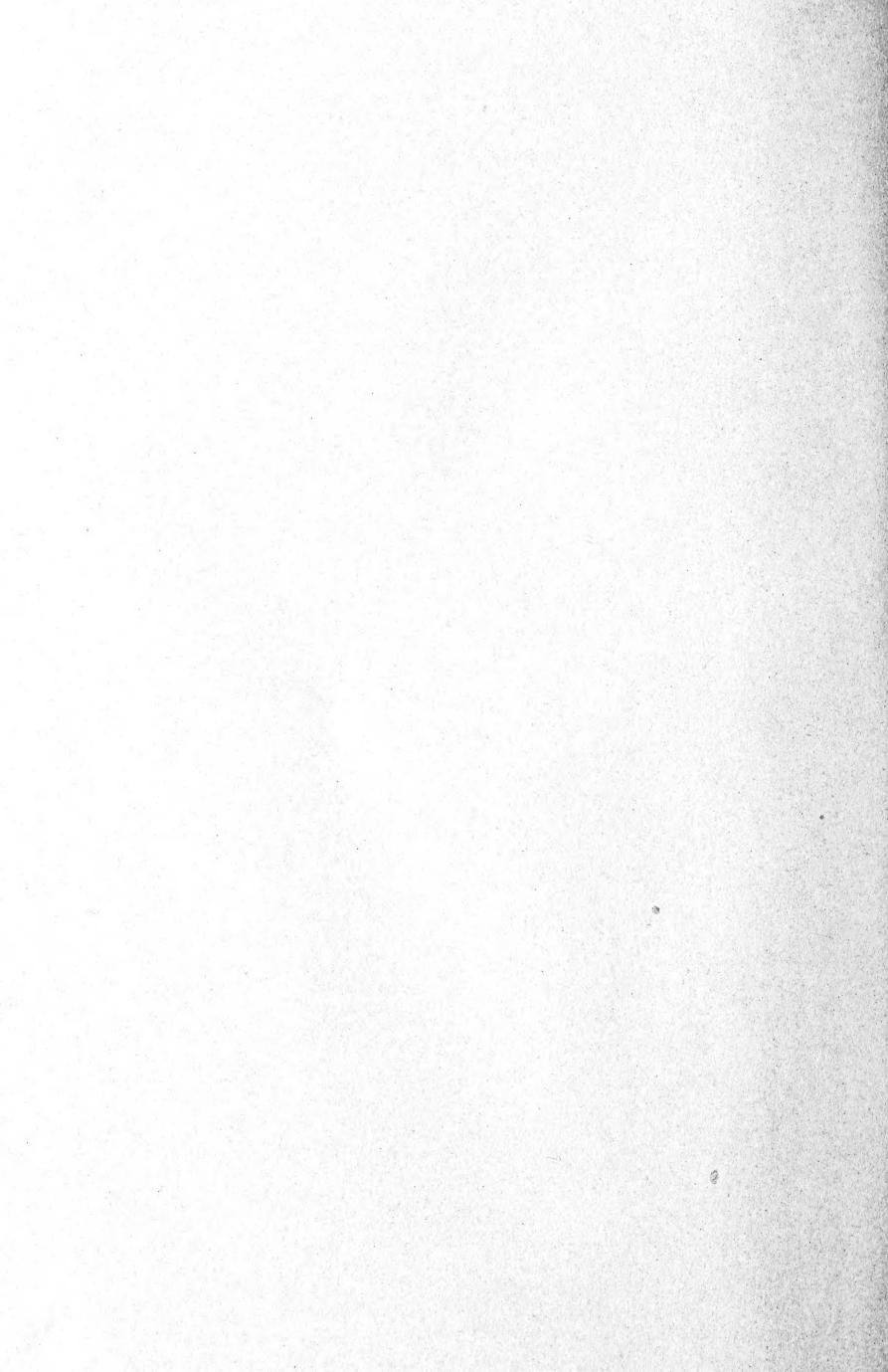
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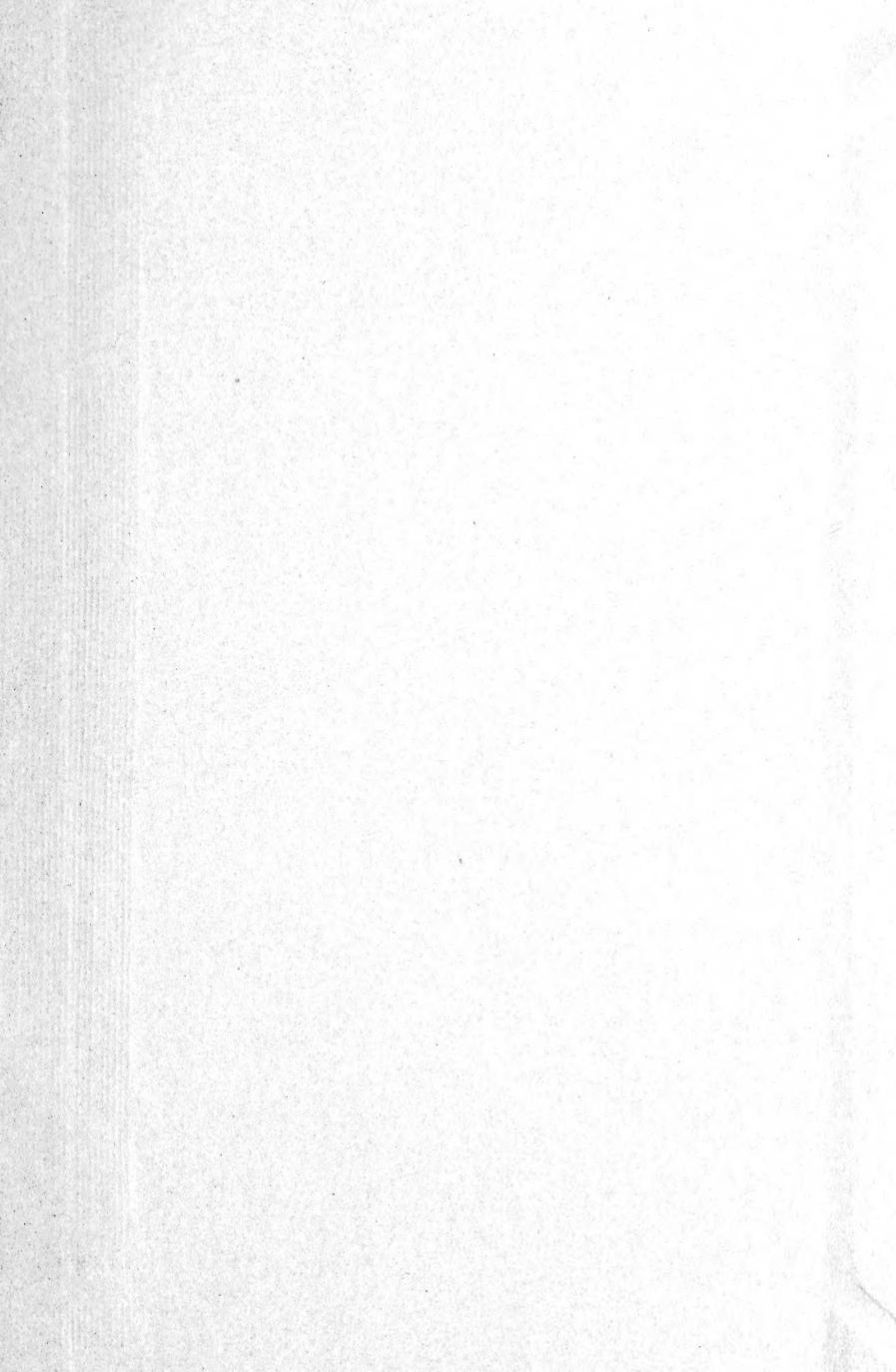
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